

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:01:21 ; Search time 15 Seconds
(without alignments)
588.458 Million cell updates/sec

Title: US-09-935-727-2

Perfect score: 1634
Sequence: 1 MRALEGPGLSLICIVIALPA.....RYARMPLERSYRERFLPVH 300

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/CTDS.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Dackfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1634	100.0	300	2	US-08-794-796-2
2	1619.5	99.1	299	4	US-09-286-529-17
3	1177	72.0	211	4	US-09-286-529-20
4	841	51.5	153	4	US-09-286-529-2
5	444	27.2	401	3	US-08-974-022-6
6	444	27.2	401	4	US-09-042-785A-12
7	444	27.2	401	4	US-08-795-445A-6
8	444	27.2	401	4	US-08-795-447A-6
9	444	27.2	401	4	US-08-974-186-6
10	444	27.2	401	4	US-08-795-446B-6
11	444	27.2	401	4	US-09-153-927-1
12	444	27.2	401	4	US-09-072-993C-1
13	444	27.2	401	4	US-08-706-945D-128
14	425.5	26.0	401	3	US-08-974-022-2
15	425.5	26.0	401	4	US-08-795-445A-2
16	425.5	26.0	401	4	US-08-795-447A-2
17	425.5	26.0	401	4	US-08-974-186-2
18	425.5	26.0	401	4	US-08-795-446B-2
19	425.5	26.0	401	4	US-08-706-945D-124
20	424.5	26.0	401	3	US-08-974-022-4
21	424.5	26.0	401	4	US-09-042-785A-13
22	424.5	26.0	401	4	US-08-795-445A-4
23	424.5	26.0	401	4	US-08-795-447A-4
24	424.5	26.0	401	4	US-08-974-186-4
25	424.5	26.0	401	4	US-08-795-446B-4
26	424.5	26.0	401	4	US-08-706-945D-126
27	407	24.9	147	4	US-09-527-236A-20

28	394	24.1	174	4	US-08-706-945D-136	Sequence 136, App
29	385.5	23.6	364	4	US-08-706-945D-142	Sequence 142, App
30	374.5	22.9	364	4	US-08-706-945D-141	Sequence 141, App
31	373	22.8	139	4	US-08-706-945D-130	Sequence 130, App
32	353.5	21.6	461	4	US-09-042-785A-7	Sequence 7, App1
33	353.5	21.6	461	4	US-09-006-353A-4	Sequence 4, App1
34	353.5	21.6	461	4	US-09-573-986-4	Sequence 4, App1
35	351.5	21.5	461	1	US-08-385-229-2	Sequence 2, App1
36	351.5	21.5	461	2	US-08-650-000-2	Sequence 2, App1
37	351.5	21.5	461	4	US-08-477-347-3	Sequence 3, App1
38	351.5	21.5	461	4	US-08-476-862-2	Sequence 2, App1
39	351.5	21.5	461	6	5395760-2	P+...: NO. 5395760
40	346	21.2	227	4	US-08-974-022-48	Sequence 48, App1
41	346	21.2	227	4	US-08-795-445A-48	Sequence 48, App1
42	346	21.2	227	4	US-08-795-447A-48	Sequence 48, App1
43	346	21.2	227	4	US-08-974-186-48	Sequence 48, App1
44	346	21.2	227	4	US-08-795-446B-48	Sequence 48, App1
45	346	21.2	227	4	US-08-706-945D-134	Sequence 134, App

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: IBM Compatible
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
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Best Local Similarity 100.0%; Pred. No. 2.4e-127;

Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
Db 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60

QY 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120

QY 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
Db 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180

QY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240
181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240

QY 241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300
241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300
Db 241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300

RESULT 2

US-09-286-529-17
; Sequence 17, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-286-529-17

Query Match 99.1%; Score 1619.5; DB 4; Length 299;
Best Local Similarity 99.7%; Pred. No. 3.8e-126;
Matches 299; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
Db 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60

QY 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120

QY 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
Db 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180

QY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240
181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEECEERAVIDFVAFODISIKRLQRLDALEAPE 240

QY 241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300
241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300
Db 241 GWGPTPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVRRERFLPVH 300

RESULT 3

US-09-286-529-20
; Sequence 20, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES

FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-286-529-20

Query Match 72.0%; Score 1177; DB 4; Length 211;
Best Local Similarity 99.0%; Pred. No. 7.6e-90;
Matches 208; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60
Db 1 MRALEGGSLILCLVIALPALPPAVAGVAETPTYPWRAETGERLVCAQCPGTFVOR 60

QY 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTOFWNYLERCRVCNVLCGEREEBARACHATHNACRCRTGFF 120

QY 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180
Db 121 AHAGFCLHASCPRGAGVIAGTPSONTQCCPPGTFSSASSSSSECCQPHRNCTALGLA 180

QY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEE 210
181 LNVGSSSHDILCTSCGTGFLSTRVPGAEE 210
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAEE 210

RESULT 4

US-09-286-529-2
; Sequence 2, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 153
; TYPE: PRT
; ORGANISM: human
US-09-286-529-2

Query Match 51.5%; Score 841; DB 4; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.6e-62;
Matches 153; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 LERCRCNVLCGEREEBARACHATHNACRCRTGFFAHAGFCLHASCPRGAGVIAGTP 144
85 LERCRCNVLCGEREEBARACHATHNACRCRTGFFAHAGFCLHASCPRGAGVIAGTP 144
Db 1 LERCRCNVLCGEREEBARACHATHNACRCRTGFFAHAGFCLHASCPRGAGVIAGTP 144

QY 145 SONTQCCPPGTFSSASSSSSECCQPHRNCTALGLALNVGSSSHDILCTSCGTGFLSTR 204
145 SONTQCCPPGTFSSASSSSSECCQPHRNCTALGLALNVGSSSHDILCTSCGTGFLSTR 204
Db 145 SONTQCCPPGTFSSASSSSSECCQPHRNCTALGLALNVGSSSHDILCTSCGTGFLSTR 204

QY 205 VPGAEECEERAVIDFVAFODISIKRLQRLDALE 237
205 VPGAEECEERAVIDFVAFODISIKRLQRLDALE 237
Db 205 VPGAEECEERAVIDFVAFODISIKRLQRLDALE 237

RESULT 5

US-08-974-022-6
; Sequence 6, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match      27.2%, Score 444; DB 4; Length 401;
Best Local Similarity 39.6%; Pred. No. 4.5e-29;
Matches 84; Conservative 32; Mismatches 86; Indels 10; Gaps 4

QY    11 LCLCVLALPALPPNARGVAET--PTYPMDAETGELGVLCACQCPPGTGYVQRPCRDRST 68
DB    4 LLLCAL--VFLLDISIKWTTDETPPKYLHYDEFTSHQLCDKCPGTLYLKHCYAKWMT 60
QY    69 TCGCPRPHYTQFNMYLERCRYCNVLGSEREEBARACHATHNRACRCRTGFPAHNGFCLE 128
DB    61 VCAPCPDHYITDSMHTSDECLYCSCVKELQYKQECRTHNRVCECKEGRILIEFLCK 120
QY    129 HASCPCPAGVIAPTGPSONTCQCPCPPGTFSASSSSBQCOPHRNCTALGLALNPVGSSS 188
DB    121 HRSCPGRGVYVAGCPERNVTCKRCRDGFFSNETSASKAPCRKHTNCVSFGILLTGKNAT 180
QY    189 HDTLCTSGTGFPPLSTRVGAEE--CERVVIDE 218
DB    181 HDNI--CSGNSESTOKKCIGDVITLCEEAFRR 209

RESULT 7
US-08-795-445A-6
Sequence 6, Application US/08795445A
Patent No. 6284485
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,445A
FILING DATE:

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Query Match	27.28;	Score 444;	DB 4;	Length 401
Best Local Similarity	39.68;	Pred. No. 4.5e-29;		

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NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ. ID NO.: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match      26.0%; Score 425.5; DB 3; Length 401;
Best Local Similarity 39.5%; Pred. No. 1.5e-27;
Matches 81; Conservative 33; Mismatches 86; Indels 5; Gaps 2

QY      34 PLYPMDAETGERTLVCAOCPTGFVQRCRDRDPTTGCPDPRHRYTQFMWYLKRCRYCNV 93
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      26 PKLIHIDPETGRQLLDCDKCAPETIYKQCCTVRKKTLVCYPCDPDIYSITSMHTSECYCS 85
        : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      94 LGEREERARACHATHNRACRRTGFFAHAGFCLEHAHCPRGAVIAPGPSONTCCOPC 153
        : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      86 VCKELQTVAEQENRTHNRYCECEEGRYLELFECCLKHSRCPGLGLVLQAGPERNYCKRC 145
        : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      154 PRGTESASSSSSEQOCPHRNCIALGLANVGSSSHDTLCISCGFLSTRVGAEE--C 211
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      146 PDFFSGEFTSSAPACKKHTNCSSLGELLIQGNATHDNV---CGSNGREATQNGCIDVTLC 202
        : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      212 ERAVIDEVAFODISIKRLQRLLOAL 236
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      203 EEAFFRFVAPTPIIRNMILSVLDLSL 227
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RESULT 15
US-08-795-445A-2
Sequence 2, Application US/08795445A
Patent No. 6284485
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:02:41 ; Search time 22 Seconds
(without alignments)
1407.822 Million cell updates/sec

Title: US-09-935-727-2

Perfect score: 1634
Sequence: 1 MRALEPGSLICLVIALPA.....RYARMGERSYREPLPVH 300

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep:*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB pep:*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB pep:*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB pep:*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB pep:*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB pep:*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1634	100.0	300	9	US-10-129-709-3
2	1634	100.0	300	10	US-09-896-096A-1
3	1634	100.0	300	10	US-09-894-924-1
4	1634	100.0	300	10	US-09-935-727-2
5	1619.5	99.1	299	10	US-09-840-795-2
6	1612	98.7	271	9	US-10-129-709-1
7	1491	91.2	200	10	US-09-877-156-20
8	1177	72.0	211	10	US-09-877-156-2
9	841	51.5	153	10	US-09-935-727-4
10	814	49.8	170	10	US-09-062-113-71
11	465.5	28.5	326	10	US-09-062-113-71
12	447	27.4	401	10	US-09-062-113-62
13	445	27.2	272	10	US-09-062-113-75
14	445	27.2	321	10	US-09-062-113-80
15	445	27.2	327	10	US-09-062-113-72
16	445	27.2	351	10	US-09-062-113-74
17	445	27.2	393	10	US-09-062-113-79
18	445	27.2	399	10	US-09-062-113-73
19	445	27.2	401	9	US-10-183-091-1

20	445	27.2	401	10	US-09-062-113-5	Sequence 5, Appl1
21	445	27.2	401	10	US-09-062-113-64	Sequence 64, Appl1
22	445	27.2	401	10	US-09-062-113-65	Sequence 65, Appl1
23	445	27.2	401	10	US-09-062-113-66	Sequence 66, Appl1
24	444	27.2	293	10	US-09-896-096A-18	Sequence 18, Appl1
25	444	27.2	293	10	US-09-894-924-18	Sequence 18, Appl1
26	444	27.2	362	10	US-09-062-113-11	Sequence 11, Appl1
27	444	27.2	400	9	US-10-142-658-2	Sequence 2, Appl1
28	444	27.2	401	12	US-10-039-785-5	Sequence 5, Appl1
29	444	27.2	401	12	US-10-066-209-1	Sequence 1, Appl1
30	444	27.2	401	12	US-10-164-592-2	Sequence 2, Appl1
31	440.5	27.0	380	10	US-09-062-113-4	Sequence 4, Appl1
32	440.5	27.0	391	10	US-09-062-113-106	Sequence 106, App
33	438	26.8	401	10	US-09-062-113-63	Sequence 63, Appl
34	437.5	26.8	187	10	US-09-062-113-81	Sequence 81, Appl
35	437.5	26.8	197	10	US-09-062-113-76	Sequence 76, Appl
36	436.5	26.7	187	10	US-09-840-795-11	Sequence 11, Appl1
37	436.5	26.7	394	10	US-09-062-113-9	Sequence 9, Appl1
38	407	24.9	147	9	US-09-756-854-20	Sequence 20, Appl1
39	407	24.9	147	9	US-10-041-574-20	Sequence 20, Appl1
40	356.5	21.8	360	10	US-09-062-113-67	Sequence 67, Appl
41	353.5	21.6	450	9	US-10-291-480-3	Sequence 3, Appl1
42	353.5	21.6	450	10	US-09-768-779A-3	Sequence 3, Appl1
43	353.5	21.6	461	9	US-10-038-557A-17	Sequence 17, Appl1
44	353.5	21.6	461	9	US-10-046-433-6	Sequence 6, Appl1
45	353.5	21.6	461	9	US-09-902-176A-54	Sequence 54, Appl1

ALIGNMENTS

RESULT 1									
US-10-129-709-3									
; Sequence 3, Application US/10129709									
; Publication No. US20030055221A1									
; GENERAL INFORMATION:									
; APPLICANT: Watcher, Derrick									
; TITLE OF INVENTION: Improving stability of FLINT through O-linked glycosylation									
; FILE REFERENCE: X-135314									
; CURRENT APPLICATION NUMBER: US/10/129,709									
; CURRENT FILING DATE: 2002-05-07									
; NUMBER OF SEQ ID NOS: 9									
; SOFTWARE: PatentIn Ver. 2.0									
; SEQ ID NO 3									
; LENGTH: 300									
; TYPE: PRT									
; ORGANISM: Homo sapiens									
US-10-129-709-3									
Query Match									
Best Local Similarity 100.0%; Pred. No. 6e-114;									
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	MRALEPGSLICLVIALPALPVPVAVRGAEPYVWMDAETGERTVCAQCPGTFVOR	60						
DB	1	MRALEPGSLICLVIALPALPVPVAVRGAETPTVPMDAETGERTVCAQCPGTFVOR	60						
QY	61	PCRBDPTTCGPPCPHRYTQFWNYLTERCRYCNVLCGEREERARACHATNRCRCRTGFF	120						
DB	61	PCRBDPTTCGPPCPHRYTQFWNYLTERCRYCNVLCGEREERARACHATNRCRCRTGFF	120						
QY	121	AHAGFLEHASCPGAGVIAFGTPSQNTQCPCPPTFSASSSSSQCCPHRNCIALGLA	180						
DB	121	AHAGFLEHASCPGAGVIAFGTPSQNTQCPCPPTFSASSSSSQCCPHRNCIALGLA	180						
QY	181	LNVPGSSHDTCSTGTFPLSTRVGAECERAVIDFAFODISIKRRLQRLQALEAPE	240						
DB	181	LNVPGSSHDTCSTGTFPLSTRVGAECERAVIDFAFODISIKRRLQRLQALEAPE	240						
QY	241	GMGPTRRAGRAALQTLRRRLTELLGAQDGLVRLQLARVARMGERSYREPLPVH	300						
DB	241	GMGPTRRAGRAALQTLRRRLTELLGAQDGLVRLQLARVARMGERSYREPLPVH	300						

RESULT 2
US-09-896-096A-1
Sequence 1, Application US/09896096A
Patent No. US20020061559A1
GENERAL INFORMATION:
APPLICANT: ASHKENAZI, AVI J
APPLICANT: BOTSTEIN, DAVID
APPLICANT: DODGE, KELLY H.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: KIM, KYUNG JIN
APPLICANT: LAWRENCE, DAVID A.
APPLICANT: PITTI, ROBERT
APPLICANT: ROY, MARGARET A
APPLICANT: TUMAS, DANIEL B
APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
FILE REFERENCE: P1134R2 REVISED
CURRENT APPLICATION NUMBER: US/09/896,096A
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 09/157,289
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: US 60/059,288
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: US 60/094,640
PRIOR FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 18
SEQ ID NO 1
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-896-096A-1

Query Match 100.0%; Score 1634; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 6e-114;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEPGSLILCLVIALPALVPVAVGVAETPTYPWDAETGERLYCAQCPCPGTFVOR 60
DB 1 MRALEPGSLILCLVIALPALVPVAVGVAETPTYPWDAETGERLYCAQCPCPGTFVOR 60
QY 61 PCRDSPTTCGCPPEPRHYTQFMWYLERCRYCNVLCGEREEARACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGCPPEPRHYTQFMWYLERCRYCNVLCGEREEARACHATHNRACRCRTGFF 120
QY 121 AHAGFCLHNASCPGAGVIAAGTPSONTOCQPCPGTFFSASSSSSECCQPHRNCALGLA 180
DB 121 AHAGFCLHNASCPGAGVIAAGTPSONTOCQPCPGTFFSASSSSSECCQPHRNCALGLA 180
QY 181 LNPVSSSHDTLCTSCGFLSTRVPGAECERAVIDFAFQDISIKRLORLQALEAPE 240
DB 181 LNPVSSSHDTLCTSCGFLSTRVPGAECERAVIDFAFQDISIKRLORLQALEAPE 240
QY 241 GWGPTPRAGRAALQKLRLRTELGAQDALLVRLQALRVARMPLERSVEREFLPVH 300
DB 241 GWGPTPRAGRAALQKLRLRTELGAQDALLVRLQALRVARMPLERSVEREFLPVH 300

RESULT 3
US-09-894-924-1
Sequence 1, Application US/09894924
Patent No. US20020065210A1
GENERAL INFORMATION:
APPLICANT: ASHKENAZI, AVI J
APPLICANT: BOTSTEIN, DAVID
APPLICANT: DODGE, KELLY H.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: KIM, KYUNG JIN
APPLICANT: LAWRENCE, DAVID A.
APPLICANT: PITTI, ROBERT
APPLICANT: ROY, MARGARET A
APPLICANT: TUMAS, DANIEL B

APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
FILE REFERENCE: P1134R2 REVISED
CURRENT APPLICATION NUMBER: US/09/894,924
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 09/157,289
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: US 60/059,288
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: US 60/094,640
PRIOR FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 18
SEQ ID NO 1
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-894-924-1

Query Match 100.0%; Score 1634; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 6e-114;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEPGSLILCLVIALPALVPVAVGVAETPTYPWDAETGERLYCAQCPCPGTFVOR 60
DB 1 MRALEPGSLILCLVIALPALVPVAVGVAETPTYPWDAETGERLYCAQCPCPGTFVOR 60
QY 61 PCRDSPTTCGCPPEPRHYTQFMWYLERCRYCNVLCGEREEARACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGCPPEPRHYTQFMWYLERCRYCNVLCGEREEARACHATHNRACRCRTGFF 120
QY 121 AHAGFCLHNASCPGAGVIAAGTPSONTOCQPCPGTFFSASSSSSECCQPHRNCALGLA 180
DB 121 AHAGFCLHNASCPGAGVIAAGTPSONTOCQPCPGTFFSASSSSSECCQPHRNCALGLA 180
QY 181 LNPVSSSHDTLCTSCGFLSTRVPGAECERAVIDFAFQDISIKRLORLQALEAPE 240
DB 181 LNPVSSSHDTLCTSCGFLSTRVPGAECERAVIDFAFQDISIKRLORLQALEAPE 240
QY 241 GWGPTPRAGRAALQKLRLRTELGAQDALLVRLQALRVARMPLERSVEREFLPVH 300
DB 241 GWGPTPRAGRAALQKLRLRTELGAQDALLVRLQALRVARMPLERSVEREFLPVH 300

RESULT 4
US-09-935-727-2
Sequence 2, Application US/09935727
Patent No. US20020150583A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
FILE REFERENCE: P6454P2
CURRENT APPLICATION NUMBER: US/09/935,727
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 60/303,224
PRIOR FILING DATE: 2001-07-06
PRIOR APPLICATION NUMBER: 60/252,131
PRIOR FILING DATE: 2000-11-21
PRIOR APPLICATION NUMBER: 60/227,598
PRIOR FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: 09/518,931
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 60/168,235
PRIOR FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: 60/146,371
PRIOR FILING DATE: 1999-08-02
PRIOR APPLICATION NUMBER: 60/131,964
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: 60/131,270
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/124,092
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/121,774
PRIOR FILING DATE: 1999-03-04

; PRIOR APPLICATION NUMBER: 09/006,352
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: 60/035,496
; PRIOR FILING DATE: 1997-01-14
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-727-2

Query Match 100.0%; Score 1634; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 6e-114;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
DB 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
QY 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
DB 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
QY 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 180
DB 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 180
QY 181 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 240
QY 241 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 300
DB 241 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 300

RESULT 5

US-09-877-156-17
; Sequence 17, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-877-156-17

Query Match 99.1%; Score 1619.5; DB 10; Length 299;
Best Local Similarity 99.7%; Pred. No. 7.1e-113;
Matches 299; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
DB 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
QY 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
DB 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
QY 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 180
DB 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 179

QY 181 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 240
DB 180 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 239
QY 241 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 300
DB 240 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 299

RESULT 6

US-09-840-795-2
; Sequence 2, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SP0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: primate
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (79)
; OTHER INFORMATION: xaa at residue 79 is undetermined.
US-09-840-795-2

Query Match 98.7%; Score 1612; DB 10; Length 300;
Best Local Similarity 99.0%; Pred. No. 2.6e-112;
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
DB 1 MRALEGGSLILCLVLPALLPVPVAVGVAETPTYPMDAETGERLYCAOCPPTGVOR 60
QY 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
DB 61 PCRSDPTTCGCPRRHTQFWMNYLERCRVCNVLCGEEREEARACHATHNRACRCRTGTF 120
QY 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 180
DB 121 AHAGFCLHASCPPGAGVIAPGTSPONTQCCPCPGTFSASSSSSECCQPHRNCALGLA 180
QY 181 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSHDITLCTSCGTFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALEAPE 240
QY 241 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 300
DB 241 GNGPFPRAAGRAALQKLRRLTELIGADGALLVRLQALRVARMPGLERSYRERFLPVH 300

RESULT 7

US-10-129-709-1
; Sequence 1, Application US/10129709
; Publication No. US20030055221A1
; GENERAL INFORMATION:
; APPLICANT: Wilcher, Derrick
; APPLICANT: Lu, Jitong
; TITLE OF INVENTION: Improving stability of FLINT through O-linked glycosylation
; FILE REFERENCE: X-13531M
; CURRENT APPLICATION NUMBER: US/10/129,709
; CURRENT FILING DATE: 2002-05-07

; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 271
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-129-709-1

Query Match 91.2%; Score 1491; DB 9; Length 271;
Best Local Similarity 100.0%; Pred. No. 2.2e-103;
Matches 271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 VAETPTTMDATGELVCAQCPPTGTPVORPCRDSPPTGCPGPPHYQFWNYLRCR 89
DB 1 VAEPTTMDATGELVCAQCPPTGTPVORPCRDSPPTGCPGPPHYQFWNYLRCR 60
QY 90 YCNVLCGEREEERARACHATNHRACRCRTGFFAHAGFCLHASCPCGAGVIAPTPSONTQ 149
DB 61 YCNVLCGEREEERARACHATNHRACRCRTGFFAHAGFCLHASCPCGAGVIAPTPSONTQ 120
QY 150 CQCPPTGFSASSSSSEOCQPHNCTALGLALNVPSSSHDTLCTSGTGFPLSTRVPAE 209
DB 121 CQCPPTGFSASSSSSEOCQPHNCTALGLALNVPSSSHDTLCTSGTGFPLSTRVPAE 180
QY 210 ECEAVYIDFAFODISIKRLQRLQLEADPEGWPPTPRAGRALQTLRRRLTELLGAQD 269
DB 181 ECEAVYIDFAFODISIKRLQRLQLEADPEGWPPTPRAGRALQTLRRRLTELLGAQD 240
QY 270 GALLVRLQALRVARMGLERSVREPLPVH 300
DB 241 GALLVRLQALRVARMGLERSVREPLPVH 271

RESULT 8
US-09-877-156-20
; Sequence 20, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 211
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-877-156-20

Query Match 72.0%; Score 1177; DB 10; Length 211;
Best Local Similarity 99.0%; Pred. No. 3.4e-80;
Matches 208; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MRALGFGSLTCLVIALPALLPVPAVGAETPTTMDATGELVCAQCPPTGTPVOR 60
DB 1 MRALGFGSLTCLVIALPALLPVPAVGAETPTTMDATGELVCAQCPPTGTPVOR 60
QY 61 PCRRDPTTGCPCPPRHHTQFWNYLERCRYCNVLCGEREEERARACHATNHRACRCRTGFF 120
DB 61 PCRRDPTTGCPCPPRHHTQFWNYLERCRYCNVLCGEREEERARACHATNHRACRCRTGFF 120
QY 121 AHAGFCLHASCPCGAGVIAPTPSONTQCPGPPGFSASSSSSEOCQPHNCTALGLA 180
DB 121 AHAGFCLHASCPCGAGVIAPTPSONTQCPGPPGFSASSSSSEOCQPHNCTALGLA 180
QY 181 LNPVSSSHDTLCTSGTGFPLSTRVPAE 210
DB 181 LNPVSSSHDTLCTSGTGFPLSTRVPAE 210

RESULT 9
US-09-877-156-2
; Sequence 2, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 153
; TYPE: PRF
; ORGANISM: human
US-09-877-156-2

Query Match 51.5%; Score 841; DB 10; Length 153;
Best Local Similarity 100.0%; Pred. No. 2.1e-55;
Matches 153; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 LERCRCNVLCGEREEERARACHATNHRACRCRTGFFAHAGFCLHASCPCGAGVIAPTGTP 144
DB 1 LERCRCNVLCGEREEERARACHATNHRACRCRTGFFAHAGFCLHASCPCGAGVIAPTGTP 60
QY 145 SONTQCPGPPGFSASSSSSEOCQPHNCTALGLALNVPSSSHDTLCTSGTGFPLSTR 204
DB 61 SONTQCPGPPGFSASSSSSEOCQPHNCTALGLALNVPSSSHDTLCTSGTGFPLSTR 120
QY 205 VPGAEECEAVYIDFAFODISIKRLQRLQLE 237
DB 121 VPGAEECEAVYIDFAFODISIKRLQRLQLE 153

RESULT 10
US-09-935-727-4
; Sequence 4, Application US/09935727
; Patent No. US20020150583A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
; FILE REFERENCE: PF454P2
; CURRENT APPLICATION NUMBER: US/09/935,727
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/303,224
; PRIOR FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 60/252,131
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/227,598
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 09/518,931
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/168,235
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: 60/146,371
; PRIOR FILING DATE: 1999-08-02
; PRIOR APPLICATION NUMBER: 60/131,964
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/131,270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/124,092
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/121,774
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: 09/006,352
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: 60/035,496
; PRIOR FILING DATE: 1997-01-14
; NUMBER OF SEQ ID NOS: 42

SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 170
TYPE: PRT
ORGANISM: Homo sapiens
US-09-935-727-4

Query Match 49.8%; Score 814; DB 10; Length 170;
Best Local Similarity 100.0%; Pred. No. 2.4e-53;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALBPGSLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPPTGTFVQR 60
DB 1 MRALBPGSLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPPTGTFVQR 60
QY 61 PCRDSPTTCGPPPHHYTFWNYLERCRVCNLCGEREERACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGPPPHHYTFWNYLERCRVCNLCGEREERACHATHNRACRCRTGFF 120
QY 121 AHAGFCLERHASCPPGAGVIAPG 142
DB 121 AHAGFCLERHASCPPGAGVIAPG 142

RESULT 11

US-09-062-113-71
Sequence 71, Application US/09062113
Patent No. US20020051969A1
GENERAL INFORMATION:
APPLICANT: GOTO, Masaaki
APPLICANT: TSUDA, Eisuke
APPLICANT: MOCHIZUKI, Shin'ichi
APPLICANT: YANO, Kazuki
APPLICANT: KOBAYASHI, Fumie
APPLICANT: SHIMA, No. US20020051969A1yuyuki
APPLICANT: YASUDA, Hisataka
APPLICANT: NAKAGAWA, No. US20020051969A1uaki
APPLICANT: MORINAGA, Tomonori
APPLICANT: UEDA, Masatsugu
APPLICANT: HIGASHIO, Kanji
TITLE OF INVENTION: No. US20020051969A1el Proteins and Methods for Producing
TITLE OF INVENTION: the Proteins
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Testa, Hurwitz & Thibault
STREET: 125 High St.
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/062, 113
FILING DATE: 17-APR-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 54977/1995
FILING DATE: 20-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 207508/1995
FILING DATE: 21-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/00374
FILING DATE: 20-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/915, 004
FILING DATE: 20-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: MOORE, Ronda P.

REGISTRATION NUMBER: 44,244
REFERENCE/DOCKET NUMBER: JUN-060DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 71:
SEQUENCE CHARACTERISTICS:
LENGTH: 326 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

FEATURE:
NAME/KEY: Peptide
LOCATION: 21..0
FEATURE:
NAME/KEY: Protein
LOCATION: 1..305
OTHER INFORMATION: /note= "OCIF-DDI"
US-09-062-113-71

Query Match 28.5%; Score 465.5; DB 10; Length 326;
Best Local Similarity 32.6%; Pred. No. 3.6e-27;
Matches 101; Conservative 59; Mismatches 113; Indels 37; Gaps 9;

QY 10 SLICVIALPALPVPVAVGVAET--PTYPWRDAETGERLVCAQCPPTGTFVQRCDRSP 67
DB 3 NLLCCAL---VFLDISIKMTTQTFEPKYLHYEETSHQLLCKCPGTLYLKKQCNKWK 59
QY 68 TTCGCPPHHYTFWNYLERCRVCNLCGEREERACHATHNRACRCRTGFFAHAGFCL 127
DB 60 TVCAPCPDHYTSMHNSDECLCYSPYCKELQYKQCNCTHNRVCCKRGRIEIEFCL 119
QY 128 EHASCPPGAGVIAPGTPSNTQCPGPPGTFSSSSSECCQPHRNCTALGLALNPGSS 187
DB 120 KHRSCEPGFVGAGTGERNTVCRCPCDFGFSNETSKAPCRKTNCSVFGLLTQKGA 179
QY 188 SHDTCISCTGFPPLSTVPG--AECERAVIDFAFDISIKRLQRLQLEAPEGMGPT 245
DB 180 THDNT--CGNSESTQKCIDIDLCNSVQRHGHANLFEQRLSMESL-----PG 229
QY 246 PRAGRAIQLKLR-----RLTELL-----GAQDGLIVRLQALVARMPGLERSVR 293
DB 230 KYVGADEIEKTIKACKRSDIILKLSMRINKNDQ--TLKGLMHALKSKTHFPKTVT 287
QY 294 E-----RFL 297
DB 288 QSLKKTIRFL 297

RESULT 12

US-09-062-113-62
Sequence 62, Application US/09062113
Patent No. US20020051969A1
GENERAL INFORMATION:
APPLICANT: GOTO, Masaaki
APPLICANT: TSUDA, Eisuke
APPLICANT: MOCHIZUKI, Shin'ichi
APPLICANT: YANO, Kazuki
APPLICANT: KOBAYASHI, Fumie
APPLICANT: SHIMA, No. US20020051969A1yuyuki
APPLICANT: YASUDA, Hisataka
APPLICANT: NAKAGAWA, No. US20020051969A1uaki
APPLICANT: MORINAGA, Tomonori
APPLICANT: UEDA, Masatsugu
APPLICANT: HIGASHIO, Kanji
TITLE OF INVENTION: No. US20020051969A1el Proteins and Methods for Producing
TITLE OF INVENTION: the Proteins
NUMBER OF SEQUENCES: 108
CORRESPONDENCE ADDRESS:
ADDRESSEE: Testa, Hurwitz & Thibault
STREET: 125 High St.
CITY: Boston

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STATE: MA
COUNTRY: USA
ZIP: 02110

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/062.113
FILING DATE: 17-APR-1998
CLASSIFICATION:
Prior APPLICATION DATA:
APPLICATION NUMBER: JP 54977/1995
FILING DATE: 20-FEB-1995
Prior APPLICATION DATA:
APPLICATION NUMBER: JP 207508/1995
FILING DATE: 21-JUL-1995
Prior APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/00374
FILING DATE: 20-FEB-1996
Prior APPLICATION DATA:
APPLICATION NUMBER: US 08/915,004
FILING DATE: 20-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: MOORE, Ronda P.
REGISTRATION NUMBER: 44,244
REFERENCE/DOCKET NUMBER: FJN-060DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Peptide
LOCATION: -21..0
FEATURE:
NAME/KEY: Protein
LOCATION: 1..380
OTHER INFORMATION: /note= "OC1F-C19S"

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Db	3 NILCCAL--VELDISIKMTQETFPFPPYLYLHDEETSHQLCDKCPPTGYLKHOTAKWK	59			
QY	68 TTGCGPCPRHHTQFPMNLYLERCRCYVLGGEHEEARACHAHNRACRORTGFEANAGCFL	127			
Db	60 TVCACPCHRYTTDSNHTSDDECLTSPVKEQLQYKQECNRKRNHRKCECKEGYLTETFL	119			
QY	128 EHASCPCGAGVIABGTPSQNTQCCPCPPGTGFSASSSSEOCQPHNRCTALGIALNVPGSS	187			
Db	120 KHRSCPCPGFYQAGTGPRTNRYVKRCKCPDGFPSNETSSKAPCRKHHCNSVFGILLQKQNA	179			
QY	188 SHDTLCTSCGTGPELSTRVPGAE--CEAAVADF	218			
Db	180 THDNI--CGNSESTOKSGIDVYLCEAAFEFR	209			

RESULT 13
US-09-062-113-75
; Sequence 75, Application US/09062113
; Patent No. US20020051969A1
; GENERAL INFORMATION:

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1  APPLICANT: GOTO, Masaaki
2  APPLICANT: TSUDA, Eisuke
3  APPLICANT: MOCHIZUKI, Shin'ichi
4  APPLICANT: YANO, Kazuki
5  APPLICANT: KOBAYASHI, Fumie
6  APPLICANT: SHIMA, No. US20020051969A1uyuk1
7  APPLICANT: YASUDA, Hisataka
8  APPLICANT: NAKAGAWA, No. US20020051969A1uaki
9  APPLICANT: MORINAGA, Tomonori
10 APPLICANT: UEDA, Matsugu
11 APPLICANT: HIGASHIO, Kanji
12 TITLE OF INVENTION: No. US20020051969A1 proteins and Methods for Producing
13 TITLE OF INVENTION: the Proteins
14 NUMBER OF SEQUENCES: 108
15 CORRESPONDENCE ADDRESS:
16 ADDRESSEE: Testa, Hirtz & Thibeault
17 STREET: 125 High St.
18 CITY: Boston
19 STATE: MA
20 COUNTRY: USA
21 ZIP: 02110
22 COMPUTER READABLE FORM:
23 MEDIUM TYPE: Floppy disk
24 COMPUTER: IBM PC compatible
25 OPERATING SYSTEM: PC-DOS/MS-DOS
26 SOFTWARE: Patentln Release #1.0, Version #1.30
27 CURRENT APPLICATION DATA:
28 APPLICATION NUMBER: US/09/062,113
29 FILING DATE: 17-APR-1998
30 CLASSIFICATION:
31 PRIOR APPLICATION DATA:
32 APPLICATION NUMBER: JP 54977/1995
33 FILING DATE: 20-FEB-1995
34 PRIOR APPLICATION DATA:
35 APPLICATION NUMBER: JP 207508/1995
36 FILING DATE: 21-JUL-1995
37 PRIOR APPLICATION DATA:
38 APPLICATION NUMBER: PCT/JP96/00374
39 FILING DATE: 20-FEB-1996
40 PRIOR APPLICATION DATA:
41 APPLICATION NUMBER: US 08/915,004
42 FILING DATE: 20-FEB-1996
43 ATTORNEY/AGENT INFORMATION:
44 NAME: MOORE, Ronda P.
45 REGISTRATION NUMBER: 44,244
46 REFERENCE/DOCKET NUMBER: RJN-060DV
47 TELECOMMUNICATION INFORMATION:
48 TELEPHONE: (617) 248-7000
49 TELEFAX: (617) 248-7100
50 INFORMATION FOR SEQ ID NO: 75:
51 SEQUENCE CHARACTERISTICS:
52 LENGTH: 272 amino acids
53 TYPE: amino acid
54 STRANDEDNESS:
55 TOPOLOGY: linear
56 MOLECULE TYPE: protein
57 FEATURE:
58 NAME/KEY: Peptide
59 LOCATION: -21..0
60 FEATURE:
61 NAME/KEY: Protein
62 LOCATION: 1..251
63 OTHER INFORMATION: /note="OC1F-CDD2"
64 US-09-062-113-75

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APPLICATION NUMBER: PCT/JP96/00374
FILING DATE: 20-FEB-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/915,004
FILING DATE: 20-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: MOORE, Ronda P.
REGISTRATION NUMBER: 44,244
REFERENCE/DOCKET NUMBER: FJN-060DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 72:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Peptide
LOCATION: -21..0
FEATURE:
NAME/KEY: Protein
LOCATION: 1..306
OTHER INFORMATION: /note="OCIF-DDD2"
US-09-062-113-72

Query Match 27.2%; Score 445; DB 10; Length 327;
Best Local Similarity 39.4%; Pred. No. 1.2e-25;
Matches 84; Conservative 33; Mismatches 86; Indels 10; Gaps 4;
QY 10 SLICLVLPALPLVPAVGVAEI--PTYPWRDAETGERLVCAQCPPTGFVQPCRDSP 67
DB 3 NLLOCAL---VELDISIKWTTOEFPFKYLHYDETSQLLCDKCPPTGYLAKQCHTAKK 59
QY 68 TTGCPGCPRHITQFWNTLERCRVCNVLCGEREEERACHATHNRACRCRTGFFAHAGFCL 127
DB 60 TVCAPCPDHYTDSWHTSDECLYSPYCKELQYVKQECNRTNHRVCECKEGRYLEIEFCL 119
QY 128 EHASCPRGAVIAGTSPSONTCQCPPTGTFSSASSSSSEOCQPHRNCITAGLALNPSS 187
DB 120 KHRSCPPGFGVQAGTPERNTVCRCPCDGFPSNETSSKAPCRKHTNCSVFGLLLTQKGN 179
QY 188 SHDTLCTSGTGFPLSTRVGAEE--CERAVIDF 218
DB 180 THDNI---CSGNSSESTQKCGIDVTLCDEAFPRF 209

Search completed: June 5, 2003, 14:11:31
Job time : 23 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:07:27 ; Search time 15 Seconds
(without alignments)
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Title: US-09-935-727-2

Perfect score: 300
Sequence: 1 MRALEGPGLSLCLVLPALPA.....RVAMPGLERSVREPLPVH 300

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 0

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

Database :

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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
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5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	300	100.0	300	2	US-08-794-796-2
2	207	69.0	211	4	US-09-286-529-20
3	179	59.7	299	4	US-09-286-529-17
4	153	51.0	153	4	US-09-286-529-2
5	8	2.7	28	3	US-08-938-548B-4
6	8	2.7	28	3	US-08-938-548B-9
7	8	2.7	28	3	US-08-938-548B-12
8	8	2.7	28	4	US-08-939-093A-4
9	8	2.7	28	4	US-08-939-093A-9
10	8	2.7	28	4	US-08-939-093A-12
11	8	2.7	123	3	US-08-938-548B-10
12	8	2.7	123	3	US-08-939-093A-10
13	8	2.7	130	3	US-08-938-548B-6
14	8	2.7	130	4	US-08-939-093A-6
15	8	2.7	131	3	US-08-938-548B-2
16	8	2.7	131	4	US-08-939-093A-2
17	8	2.7	1172	1	US-08-313-268B-19
18	8	2.7	4472	2	US-08-804-227C-2
19	8	2.3	26	1	US-07-776-272-25
20	7	2.3	27	1	US-07-924-054-10
21	7	2.3	27	1	US-08-062-472B-43
22	7	2.3	27	1	US-08-519-180-6
23	7	2.3	27	2	US-08-818-253-36
24	7	2.3	27	4	US-08-818-253-36
25	7	2.3	27	4	US-09-260-846-18
26	7	2.3	27	4	US-08-842-322-30
27	7	2.3	27	4	US-09-316-919-52

28	7	2.3	69	2	US-08-583-569-1	Sequence 1, Appl1
29	7	2.3	77	4	US-09-146-950-25	Sequence 25, Appl1
30	7	2.3	150	1	US-08-374-843B-6	Sequence 6, Appl1
31	7	2.3	150	1	US-08-374-843B-10	Sequence 10, Appl1
32	7	2.3	150	2	US-08-905-420-6	Sequence 6, Appl1
33	7	2.3	150	2	US-08-905-420-10	Sequence 10, Appl1
34	7	2.3	155	4	US-09-146-950-4	Sequence 4, Appl1
35	7	2.3	159	4	US-09-146-950-20	Sequence 20, Appl1
36	7	2.3	181	1	US-08-185-432-6	Sequence 6, Appl1
37	7	2.3	193	4	US-09-146-950-18	Sequence 2, Appl1
38	7	2.3	197	4	US-09-146-950-18	Sequence 18, Appl1
39	7	2.3	207	4	US-09-199-637A-211	Sequence 211, App
40	7	2.3	235	4	US-09-066-408-12	Sequence 12, Appl1
41	7	2.3	283	4	US-08-509-024-2	Sequence 2, Appl1
42	7	2.3	283	4	US-09-333-279-2	Sequence 2, Appl1
43	7	2.3	283	4	US-09-072-993C-2	Sequence 2, Appl1
44	7	2.3	283	5	PCT-US96-12374-2	Sequence 2, Appl1
45	7	2.3	315	3	US-08-965-903B-8	Sequence 8, Appl1

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 585800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-PEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match 100.0%; Score 300; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 2.9e-268;

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Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 PCRDSPTTCGPPRRHYTFWMYLERCRVCNVLGGEREBARACHATNRACRCRTGFF 120
QY 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
Db 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
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Db 181 LNPVGSSSHDILCTSCGFLSTRVPGAECERAVIDVFAFODISIKRLQRLQALEAPE 240
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RESULT 2
US-09-286-529-20
; Sequence 20, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 20
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-286-529-20
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Best Local Similarity 100.0%; Pred. No. 7.8e-183;
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Db 61 PCRDSPTTCGPPRRHYTFWMYLERCRVCNVLGGEREBARACHATNRACRCRTGFF 120
QY 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
Db 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
QY 181 LNPVGSSSHDILCTSCGFLSTRVPGAECERAVIDVFAFODISIKRLQRLQALEAPE 240
Db 181 LNPVGSSSHDILCTSCGFLSTRVPGAECERAVIDVFAFODISIKRLQRLQALEAPE 240
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RESULT 3
US-09-286-529-17
; Sequence 17, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; NUMBER OF SEQ ID NOS: 25
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-286-529-17
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Best Local Similarity 99.7%; Pred. No. 6.2e-157;
Matches 299; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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Db 1 MRALEGGSLILCLVIALPALPVPVAVGAETPTYPWRDAETGERLVCAQCPGTFVQR 60
QY 61 PCRDSPTTCGPPRRHYTFWMYLERCRVCNVLGGEREBARACHATNRACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTFWMYLERCRVCNVLGGEREBARACHATNRACRCRTGFF 120
QY 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
Db 121 AHAGFCLHASCPPGAGVIAFGTPSONTQOCPCPGTFSSSSSECCOPHRNCTALGLA 180
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Db 181 LNPVGSSSHDILCTSCGFLSTRVPGAECERAVIDVFAFODISIKRLQRLQALEAPE 240
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Db 241 GKGPTPRAGRAALQIKLRRLTELLGAQDALLVRLQALRVARMPGLERSVBERFLPVH 300
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RESULT 4
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; Sequence 2, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286.529
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 153
; TYPE: PRT
; ORGANISM: human
US-09-286-529-2
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Best Local Similarity 100.0%; Pred. No. 2.8e-133;
Matches 153; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 85 LERCRVCNVLGGEREBARACHATNRACRCRTGFFAHAGFCLHASCPPGAGVIAFGTP 144
Db 1 LERCRVCNVLGGEREBARACHATNRACRCRTGFFAHAGFCLHASCPPGAGVIAFGTP 144
QY 145 SONTQOCPCPGTFSSSSSECCOPHRNCTALGLALNPVGSSSHDILCTSCGFLSTR 204
Db 61 SONTQOCPCPGTFSSSSSECCOPHRNCTALGLALNPVGSSSHDILCTSCGFLSTR 204
QY 205 VPGAECERAVIDVFAFODISIKRLQRLQALEAPE 237
Db 121 VPGAECERAVIDVFAFODISIKRLQRLQALEAPE 153
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RESULT 5
US-08-938-548B-4
; Sequence 4, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
```

APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-4

Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLQA 235
Db 10 RLQRLQA 17

RESULT 6
US-08-938-548B-9
Sequence 9, Application US/08938548B
Patent No. 6001963
GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road

CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-9

Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLQA 235
Db 10 RLQRLQA 17

RESULT 7
US-08-938-548B-12
Sequence 12, Application US/08938548B
Patent No. 6001963
GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-12

Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLORLLQA 235
Db 10 RLORLLQA 17

RESULT 8
US-08-939-093A-4
Sequence 4, Application US/08939093A
Patent No. 6309854
GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,093A
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604

FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: King, William T.
REGISTRATION NUMBER: 30,954
REFERENCE/DOCKET NUMBER: ATG50037-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-939-093A-4

Query Match 2.7%; Score 8; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLORLLQA 235
Db 10 RLORLLQA 17

RESULT 9
US-08-939-093A-9
Sequence 9, Application US/08939093A
Patent No. 6309854
GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,093A
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: King, William T.
REGISTRATION NUMBER: 30,954
REFERENCE/DOCKET NUMBER: ATG50037-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-939-093A-9

Query Match 2.7%; Score 8; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLQA 235
Db 10 RLQRLQA 17

RESULT 10

US-08-939-093A-12
Sequence 12, Application US/08939093A
Patent No. 6309854

GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Dirk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,093A
FILING DATE: 26-SEPT-1997

CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997

ATTORNEY/AGENT INFORMATION:
NAME: King, William T.
REGISTRATION NUMBER: 30,954

REFERENCE/DOCKET NUMBER: ATG50037-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026

TELEX:
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-939-093A-12

Query Match 2.7%; Score 8; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.6;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLQA 235
Db 10 RLQRLQA 17

RESULT 11

US-08-938-548B-10
Sequence 10, Application US/08938548B
Patent No. 6001963

GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Dirk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997

CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997

ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090

TELEX:
INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
LENGTH: 123 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-10

Query Match 2.7%; Score 8; DB 3; Length 123;
Best Local Similarity 100.0%; Pred. No. 6.1;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLQA 235
Db 71 RLQRLQA 78

RESULT 12
US-08-939-093A-10
Sequence 10, Application US/08939093A

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; Patent No. 6309854
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/939,093A
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: King, William T.
; REGISTRATION NUMBER: 30,954
; REFERENCE/DOCKET NUMBER: ATG50037-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
;
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 123 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-08-939-093A-10
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; Query Match 2.7%; Score 8; DB 4; Length 123;
; Best Local Similarity 100.0%; Pred. No. 6.1;
; Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth J. Hecht
; REGISTRATION NUMBER: 41,824
; REFERENCE/DOCKET NUMBER: ATG50037-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5009
; TELEFAX: 610-270-5090
;
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 130 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-08-938-548B-6
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; Query Match 2.7%; Score 8; DB 3; Length 130;
; Best Local Similarity 100.0%; Pred. No. 6.4;
; Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,093A
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: KING, William T.
REGISTRATION NUMBER: 30,954
REFERENCE/DOCKET NUMBER: ATG50037-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 130 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-939-093A-6

Query Match 2.7%; Score 8; DB 4; Length 130;
Best Local Similarity 100.0%; Pred. No. 6.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLQA 235
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DB 78 RLQRLQA 85

RESULT 15
US-08-938-548B-2
Sequence 2, Application US/08938548B
Patent No. 6001963
GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derk
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellai, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR-HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-2

Query Match 2.7%; Score 8; DB 3; Length 131;
Best Local Similarity 100.0%; Pred. No. 6.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLQA 235
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DB 79 RLQRLQA 86

Search completed: June 5, 2003, 14:11:52
Job time: 16 secs

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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:11:07 : Search time 21 Seconds
(without alignments)
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Title: US-09-935-727-2

Perfect score: 300
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Gapop 60.0, Gapect 60.0

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Minimum DB seq length: 0

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- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	300	100.0	300	10	US-09-896-096A-1
3	300	100.0	300	10	US-09-894-924-1
4	300	100.0	300	10	US-09-935-727-2
5	271	90.3	271	9	US-10-129-709-1
6	208	69.3	300	10	US-09-840-795-2
7	207	69.0	211	10	US-09-877-156-20
8	179	59.7	299	10	US-09-877-156-17
9	153	51.0	153	10	US-09-877-156-2
10	142	47.3	170	10	US-09-935-727-4
11	29	9.7	29	9	US-10-129-709-1
12	9	3.0	56	9	US-10-146-574-6
13	9	3.0	91	9	US-10-146-574-7
14	9	3.0	327	10	US-09-815-242-5083
15	9	3.0	408	10	US-09-057-951-4
16	9	3.0	408	12	US-10-105-150-4
17	9	3.0	430	9	US-10-146-574-2
18	9	3.0	430	9	US-09-421-112-2
19	9	3.0	430	10	US-09-057-951-2

20	9	3.0	430	10	US-09-836-607-2	Sequence 2, Appl1
21	9	3.0	430	12	US-10-105-150-2	Sequence 2, Appl1
22	9	3.0	436	9	US-10-146-574-4	Sequence 4, Appl1
23	8	2.7	27	9	US-09-211-823C-9	Sequence 9, Appl1
24	8	2.7	27	10	US-09-737-379-12	Sequence 12, Appl1
25	8	2.7	28	9	US-09-211-823C-4	Sequence 4, Appl1
26	8	2.7	28	10	US-09-211-823C-12	Sequence 12, Appl1
27	8	2.7	28	10	US-09-737-379-4	Sequence 4, Appl1
28	8	2.7	28	10	US-09-737-379-9	Sequence 9, Appl1
29	8	2.7	40	10	US-09-057-951-6	Sequence 6, Appl1
30	8	2.7	40	12	US-10-105-150-6	Sequence 6, Appl1
31	8	2.7	60	10	US-09-864-761-39057	Sequence 39057, A
32	8	2.7	123	10	US-09-211-823C-10	Sequence 10, Appl1
33	8	2.7	123	10	US-09-737-379-10	Sequence 10, Appl1
34	8	2.7	130	9	US-09-211-823C-6	Sequence 6, Appl1
35	8	2.7	130	10	US-09-737-379-6	Sequence 6, Appl1
36	8	2.7	131	9	US-09-211-823C-2	Sequence 2, Appl1
37	8	2.7	131	10	US-09-737-379-2	Sequence 2, Appl1
38	8	2.7	154	10	US-09-764-864-1004	Sequence 1004, Ap
39	8	2.7	411	9	US-10-002-050-10	Sequence 10, Appl1
40	8	2.7	411	9	US-10-002-304-10	Sequence 10, Appl1
41	8	2.7	411	12	US-10-003-152-10	Sequence 10, Appl1
42	8	2.7	464	9	US-10-002-050-20	Sequence 20, Appl1
43	8	2.7	464	9	US-10-002-304-20	Sequence 20, Appl1
44	8	2.7	464	12	US-10-003-152-20	Sequence 20, Appl1
45	8	2.7	963	9	US-10-140-164-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-10-129-709-3
Sequence 3, Application US/10129709
Publication No. US20030055221A1
GENERAL INFORMATION:
APPLICANT: Walther, Derrick
APPLICANT: Lu, Jiong
TITLE OF INVENTION: Improving stability of FLINT through O-linked glycosylation
FILE REFERENCE: X-13531M
CURRENT APPLICATION NUMBER: US/10/129,709
CURRENT FILING DATE: 2002-05-07
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-10-129-709-3

Query Match 100.0%; Score 300; DB 9; Length 300;
Best local Similarity 100.0%; Pred. No. 3.6e-260; Indels 0; Gaps 0;
Matches 300; Conservative 0; Mismatches 0;

QY	1	MRALBPGSLICLVIALPALPVPYRVAVETPYPMRDATGERTVCAOCPPGFYR	60
DB	1	MRALBPGSLICLVIALPALPVPYRVAVETPYPMRDATGERTVCAOCPPGFYR	60
QY	61	PCRRDSPYTCGCPPRHYTFQNNYLRCYCNVLGCEEREERACHATNRACRGTGFF	120
DB	61	PCRRDSPYTCGCPPRHYTFQNNYLRCYCNVLGCEEREERACHATNRACRGTGFF	120
QY	121	ANAGFLEHASCPGAGVAPGTPSONTCQCPGCTGSASSSSBQCPHNRCTALGTA	180
DB	121	ANAGFLEHASCPGAGVAPGTPSONTCQCPGCTGSASSSSBQCPHNRCTALGTA	180
QY	181	LNVPGSSHDTCSTGTFPLSTRVPGAECEGRAVDFAFODISIKRRLQALAEPE	240
DB	181	LNVPGSSHDTCSTGTFPLSTRVPGAECEGRAVDFAFODISIKRRLQALAEPE	240
QY	241	GMGPPPRAGRAALQKLRRLTELGAQDGLLVRLQLARVARMGLERSYRERFLPVH	300
DB	241	GMGPPPRAGRAALQKLRRLTELGAQDGLLVRLQLARVARMGLERSYRERFLPVH	300

```
RESULT 2
US-09-896-096A-1
; Sequence 1, Application US/09896096A
; Patent No. US2002006159A1
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TOMAS, DANIEL B
; APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2 REVISED
; CURRENT APPLICATION NUMBER: US/09/896,096A
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: US 09/157,289
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: US 60/059,288
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: US 60/094,640
; PRIOR FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 18
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-896-096A-1

Query Match      100.0%; Score 300; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 3.6e-260;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLIVLALPALLPVAVAGVAETPTTWMRAETGERLVCAQCPCPGTFVOR 60
DB 1 MRALEGGSLILCLIVLALPALLPVAVAGVAETPTTWMRAETGERLVCAQCPCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTQFWNYLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGCPRRHYTQFWNYLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
QY 121 AHAGFCLEHASCPGAGAVIAPGTPSQTCCPCPGTFFSASSSSSECCOPHRNCTALGTA 180
DB 121 AHAGFCLEHASCPGAGAVIAPGTPSQTCCPCPGTFFSASSSSSECCOPHRNCTALGTA 180
QY 181 LNVPGSSHDITLCTSGTGFPLSTRVPGAEECERAVIDFVAFODISIKRLQRLQALBAPE 240
DB 181 LNVPGSSHDITLCTSGTGFPLSTRVPGAEECERAVIDFVAFODISIKRLQRLQALBAPE 240
QY 241 GWGTPPRAGRAALQKLRRLRTELGAQDALLVRLQALRVAMPGLERSVRRERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRLRTELGAQDALLVRLQALRVAMPGLERSVRRERFLPVH 300

RESULT 3
US-09-894-924-1
; Sequence 1, Application US/09894924
; Patent No. US20020065210A1
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TOMAS, DANIEL B
```

```
APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2 REVISED
; CURRENT APPLICATION NUMBER: US/09/894,924
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: US 09/157,289
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: US 60/059,288
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: US 60/094,640
; PRIOR FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 18
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-894-924-1

Query Match      100.0%; Score 300; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 3.6e-260;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLIVLALPALLPVAVAGVAETPTTWMRAETGERLVCAQCPCPGTFVOR 60
DB 1 MRALEGGSLILCLIVLALPALLPVAVAGVAETPTTWMRAETGERLVCAQCPCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTQFWNYLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGCPRRHYTQFWNYLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
QY 121 AHAGFCLEHASCPGAGAVIAPGTPSQTCCPCPGTFFSASSSSSECCOPHRNCTALGTA 180
DB 121 AHAGFCLEHASCPGAGAVIAPGTPSQTCCPCPGTFFSASSSSSECCOPHRNCTALGTA 180
QY 181 LNVPGSSHDITLCTSGTGFPLSTRVPGAEECERAVIDFVAFODISIKRLQRLQALBAPE 240
DB 181 LNVPGSSHDITLCTSGTGFPLSTRVPGAEECERAVIDFVAFODISIKRLQRLQALBAPE 240
QY 241 GWGTPPRAGRAALQKLRRLRTELGAQDALLVRLQALRVAMPGLERSVRRERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRLRTELGAQDALLVRLQALRVAMPGLERSVRRERFLPVH 300

RESULT 4
US-09-935-727-2
; Sequence 2, Application US/09935727
; Patent No. US20020150583A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; FILE REFERENCE: PF454P2
; CURRENT APPLICATION NUMBER: US/09/935,727
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/303,224
; PRIOR FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 60/252,131
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/227,598
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 09/518,931
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/168,235
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: 60/146,371
; PRIOR FILING DATE: 1999-08-02
; PRIOR APPLICATION NUMBER: 60/131,964
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/131,270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/124,092
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/121,774
; PRIOR FILING DATE: 1999-03-04
```

; PRIOR APPLICATION NUMBER: 09/006,352
; PRIOR FILING DATE: 1998-01-13
; PRIOR APPLICATION NUMBER: 60/033,496
; PRIOR FILING DATE: 1997-01-14
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-727-2

Query Match 100.0%; Score 300; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 3.6e-260;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLICLVIALPALLPVPARGVATPTYPWMDAETGERLYCAQCPPTGVOR 60
DB 1 MRALEGGSLICLVIALPALLPVPARGVATPTYPWMDAETGERLYCAQCPPTGVOR 60
QY 61 PCRDSPTGCPGCPRHHTQFNNYLERCHYCNVLCGEREEERACHATNRCRCRTGTF 120
DB 61 PCRDSPTGCPGCPRHHTQFNNYLERCHYCNVLCGEREEERACHATNRCRCRTGTF 120
QY 121 AHAGFCLEHASCPPAGVAPGTPTSONTCOCPCPTGFSASSSSBQCPHRCNTALGLA 180
DB 121 AHAGFCLEHASCPPAGVAPGTPTSONTCOCPCPTGFSASSSSBQCPHRCNTALGLA 180
QY 121 LNVPGSSSHDVLCTSCGTGFPPLSTRVPGAECERAVIDEFAFODISIKRLQRLQALEPE 240
DB 181 LNVPGSSSHDVLCTSCGTGFPPLSTRVPGAECERAVIDEFAFODISIKRLQRLQALEPE 240
QY 241 GGGPPRAGRALQIKLRRLTELLGAODGALLVRLQALRVARMGLERSVRERLPVH 300
DB 241 GGGPPRAGRALQIKLRRLTELLGAODGALLVRLQALRVARMGLERSVRERLPVH 300

RESULT 5

US-10-129-709-1
; Sequence 1, Application US/10129709
; Publication No. US20030055221A1
; GENERAL INFORMATION:
; APPLICANT: Witcheer, Derrick
; APPLICANT: Lu, Jirong
; TITLE OF INVENTION: Improving stability of FLINT through O-linked glycosylation
; FILE REFERENCE: X-13531M
; CURRENT APPLICATION NUMBER: US/10/129,709
; CURRENT FILING DATE: 2002-05-07
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 1
; LENGTH: 271
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-129-709-1

Query Match 90.3%; Score 271; DB 9; Length 271;
Best Local Similarity 100.0%; Pred. No. 2.7e-234;
Matches 271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 VAETPTYPWMDAETGERLYCAQCPPTGVORPCRDSPTGCPGCPRHHTQFNNYLER 89
DB 1 VAETPTYPWMDAETGERLYCAQCPPTGVORPCRDSPTGCPGCPRHHTQFNNYLER 89
QY 90 YCNVLCGEREEERACHATNRCRCRTGFFAHAGFCLEHASCPPAGVAPGTPTSONTO 149
DB 61 YCNVLCGEREEERACHATNRCRCRTGFFAHAGFCLEHASCPPAGVAPGTPTSONTO 120
QY 150 CQPCPGTFSASSSSBQCPHRCNTALGLANVPGSSSHDVLCTSCGTGFPPLSTRVPGA 209
DB 121 CQPCPGTFSASSSSBQCPHRCNTALGLANVPGSSSHDVLCTSCGTGFPPLSTRVPGA 180
QY 210 ECERAVIDEFAFODISIKRLQRLQALEPEGGMGPTPRAGRALQIKLRRLTELLGAOD 269

DB 181 ECERAVIDEFAFODISIKRLQRLQALEPEGGMGPTPRAGRALQIKLRRLTELLGAOD 240
QY 270 GALLVRLQALRVARMGLERSVRERLPVH 300
DB 241 GALLVRLQALRVARMGLERSVRERLPVH 271

RESULT 6

US-09-840-795-2
; Sequence 2, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Matson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SF0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: primate
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (79)
; OTHER INFORMATION: Xaa at residue 79 is undetermined.
US-09-840-795-2

Query Match 69.3%; Score 208; DB 10; Length 300;
Best Local Similarity 100.0%; Pred. No. 6e-178;
Matches 208; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 93 VLGEREEERACHATNRCRCRTGFFAHAGFCLEHASCPPAGVAPGTPTSONTCOP 152
DB 93 VLGEREEERACHATNRCRCRTGFFAHAGFCLEHASCPPAGVAPGTPTSONTCOP 152
QY 153 CPGTFSASSSSBQCPHRCNTALGLANVPGSSSHDVLCTSCGTGFPPLSTRVPGA 212
DB 153 CPGTFSASSSSBQCPHRCNTALGLANVPGSSSHDVLCTSCGTGFPPLSTRVPGA 212
QY 213 RAVIDEFAFODISIKRLQRLQALEPEGGMGPTPRAGRALQIKLRRLTELLGAODGAL 272
DB 213 RAVIDEFAFODISIKRLQRLQALEPEGGMGPTPRAGRALQIKLRRLTELLGAODGAL 272
QY 273 LVRLQALRVARMGLERSVRERLPVH 300
DB 273 LVRLQALRVARMGLERSVRERLPVH 300

RESULT 7

US-09-877-156-20
; Sequence 20, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; PRIOR FILING DATE: 1998-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 20
; LENGTH: 211

TYPE: PRT
ORGANISM: Homo sapien
US-09-877-156-20

Query Match
Best Local Similarity 69.0%; Score 207; DB 10; Length 211;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLTCLVIALPALPVPVAVGVAETPTYPWDAETGERLVCAQCPPTGVOR 60
Db 1 MRALEGGSLTCLVIALPALPVPVAVGVAETPTYPWDAETGERLVCAQCPPTGVOR 60
QY 61 PCRDSPTTCGPPRRHYTQFMWYLERCRVCNVLGGEREEARACHATNRACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTQFMWYLERCRVCNVLGGEREEARACHATNRACRCRTGFF 120
QY 121 AAAGFCLEHASCPGAGVIAPTGTPSONTOCOPCPPTGFSASSSSSECCOPHRNCTALGLA 180
Db 121 AAAGFCLEHASCPGAGVIAPTGTPSONTOCOPCPPTGFSASSSSSECCOPHRNCTALGLA 180
QY 181 LNVPGSSSHDTLCTCTGFPPLSTRVPG 207
Db 181 LNVPGSSSHDTLCTCTGFPPLSTRVPG 207

RESULT 8

US-09-877-156-17
Sequence 17, Application US/09877156
Patent No. US20020055625A1

GENERAL INFORMATION:
APPLICANT: Catherine Tribouley
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
FILE REFERENCE: 1408.003/200130.439C1
CURRENT FILING DATE: 2001-06-08
CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 09/286,529
PRIOR FILING DATE: 1998-04-05
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 17
LENGTH: 299
TYPE: PRT
ORGANISM: Homo sapien
US-09-877-156-17

Query Match
Best Local Similarity 59.7%; Score 179; DB 10; Length 299;
Matches 299; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MRALEGGSLTCLVIALPALPVPVAVGVAETPTYPWDAETGERLVCAQCPPTGVOR 60
Db 1 MRALEGGSLTCLVIALPALPVPVAVGVAETPTYPWDAETGERLVCAQCPPTGVOR 60
QY 61 PCRDSPTTCGPPRRHYTQFMWYLERCRVCNVLGGEREEARACHATNRACRCRTGFF 120
Db 61 PCRDSPTTCGPPRRHYTQFMWYLERCRVCNVLGGEREEARACHATNRACRCRTGFF 120
QY 121 AAAGFCLEHASCPGAGVIAPTGTPSONTOCOPCPPTGFSASSSSSECCOPHRNCTALGLA 180
Db 121 AAAGFCLEHASCPGAGVIAPTGTPSONTOCOPCPPTGFSASSSSSECCOPHRNCTALGLA 180
QY 181 LNVPGSSSHDTLCTCTGFPPLSTRVPGAECEERAVIDFVAFODISIKRLQRLQALEAPE 240
Db 181 LNVPGSSSHDTLCTCTGFPPLSTRVPGAECEERAVIDFVAFODISIKRLQRLQALEAPE 240
QY 241 GAGPTPRAGAAQLKIRRLTELGAQDALLVRLQALVAVAMPGLSVREPLVH 300
Db 241 GAGPTPRAGAAQLKIRRLTELGAQDALLVRLQALVAVAMPGLSVREPLVH 300

RESULT 9
US-09-877-156-2
Sequence 2, Application US/09877156

Patent No. US20020055625A1
GENERAL INFORMATION:
APPLICANT: Catherine Tribouley
TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
FILE REFERENCE: 1408.003/200130.439C1
CURRENT FILING DATE: 2001-06-08
CURRENT FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 09/286,529
PRIOR FILING DATE: 1998-04-05
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 153
TYPE: PRT
ORGANISM: human
US-09-877-156-2

Query Match
Best Local Similarity 51.0%; Score 153; DB 10; Length 153;
Matches 153; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 LERCRVCNVLGGEREEARACHATNRACRCRTGFFAAGFCLEHASCPGAGVIAPTGTP 144
Db 1 LERCRVCNVLGGEREEARACHATNRACRCRTGFFAAGFCLEHASCPGAGVIAPTGTP 144
QY 145 SONTQCQCPPTGFSASSSSSECCOPHRNCTALGLALNVPGSSSHDTLCTCTGFPPLSTR 204
Db 61 SONTQCQCPPTGFSASSSSSECCOPHRNCTALGLALNVPGSSSHDTLCTCTGFPPLSTR 204
QY 205 VPGAEECEERAVIDFVAFODISIKRLQRLQALE 237
Db 121 VPGAEECEERAVIDFVAFODISIKRLQRLQALE 153

RESULT 10

US-09-935-727-4
Sequence 4, Application US/09935727
Patent No. US20020150583A1

GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
FILE REFERENCE: PR454P2
CURRENT FILING DATE: 2001-08-24
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: US/09/935,727
PRIOR FILING DATE: 2000-11-21
PRIOR APPLICATION NUMBER: 60/227,598
PRIOR FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: 09/518,931
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 60/168,235
PRIOR FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: 60/146,371
PRIOR FILING DATE: 1999-08-02
PRIOR APPLICATION NUMBER: 60/131,964
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: 60/131,270
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/124,092
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/121,774
PRIOR FILING DATE: 1999-03-04
PRIOR APPLICATION NUMBER: 09/006,352
PRIOR FILING DATE: 1998-01-13
PRIOR APPLICATION NUMBER: 60/035,496
PRIOR FILING DATE: 1997-01-14
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 170
TYPE: PRT

ORGANISM: Homo sapiens
US-09-935-727-4

Query Match 47.3%; Score 142; DB 10; Length 170;
Best Local Similarity 100.0%; Pred. No. 3.5e-119;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRALGPGSLICLVIALPALPVPVAVRGVETPTYPMDAETGERTVCAQCPPTGVOR 60
DB 1 MRALGPGSLICLVIALPALPVPVAVRGVETPTYPMDAETGERTVCAQCPPTGVOR 60
OY 61 PCRDSPTTCGCPPRHYTOFWNYLERCRNCVNLGSEEREERACHATHNRACRRTGFF 120
DB 61 PCRDSPTTCGCPPRHYTOFWNYLERCRNCVNLGSEEREERACHATHNRACRRTGFF 120
OY 121 AHAGFLEHASCPCPGAGVAPG 142
DB 121 AHAGFLEHASCPCPGAGVAPG 142

RESULT 11

US-10-129-709-4
Sequence 4, Application US/10129709
Publication No. US20030055221A1
GENERAL INFORMATION:
APPLICANT: Wilcher, Derrick
APPLICANT: Lu, Jitong
TITLE OF INVENTION: Improving stability of FLINT through O-linked glycosylation
FILE REFERENCE: X-13531M
CURRENT APPLICATION NUMBER: US/10/129,709
CURRENT FILING DATE: 2002-05-07
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 29
TYPE: PRT
ORGANISM: Homo sapiens
US-10-129-709-4

Query Match 9.7%; Score 29; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 6.8e-19;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRALGPGSLICLVIALPALPVPVAVRG 29
DB 1 MRALGPGSLICLVIALPALPVPVAVRG 29

RESULT 12

US-10-146-574-6
Sequence 6, Application US/10146574
Publication No. US20030077246A1
GENERAL INFORMATION:
APPLICANT: Jing, Shuguan
APPLICANT: Welcher, Andrew A
APPLICANT: Boedighelmer, Michael J
APPLICANT: Shu, Junyan
APPLICANT: Gary M. Fox
TITLE OF INVENTION: TNFr/OPG-LIKE MOLECULES AND USES THEREOF
FILE REFERENCE: 01017/36854
CURRENT APPLICATION NUMBER: US/10/146,574
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/724,037
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 56
TYPE: PRT
ORGANISM: Homo sapiens
US-10-146-574-6

Query Match 3.0%; Score 9; DB 9; Length 56;

Best Local Similarity 100.0%; Pred. No. 0.93;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 152 PCPPGTFFSA 160
DB 10 PCPPGTFFSA 18

RESULT 13

US-10-146-574-7
Sequence 7, Application US/10146574
Publication No. US20030077246A1
GENERAL INFORMATION:
APPLICANT: Jing, Shuguan
APPLICANT: Welcher, Andrew A
APPLICANT: Boedighelmer, Michael J
APPLICANT: Shu, Junyan
APPLICANT: Gary M. Fox
TITLE OF INVENTION: TNFr/OPG-LIKE MOLECULES AND USES THEREOF
FILE REFERENCE: 01017/36854
CURRENT APPLICATION NUMBER: US/10/146,574
CURRENT FILING DATE: 2002-05-15
PRIOR APPLICATION NUMBER: US/09/724,037
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 7
LENGTH: 91
TYPE: PRT
ORGANISM: Homo sapiens
US-10-146-574-7

Query Match 3.0%; Score 9; DB 9; Length 91;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 152 PCPPGTFFSA 160
DB 45 PCPPGTFFSA 53

RESULT 14

US-09-815-242-5083
Sequence 5083, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
APPLICANT: Xu, H. Howard
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16

NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO: 5083
LENGTH: 327
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5083

Query Match 3.0%; Score 9; DB 10; Length 327;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 LALPALPV 24
DB 304 LALPALPV 312

RESULT 15
US-09-057-951-4
Sequence 4, Application US/09057951
Patent No. US2002002551A1
GENERAL INFORMATION:
APPLICANT: Holtzman, Douglas
TITLE OF INVENTION: NOVEL MOLECULES OF THE T129-RELATED
TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,951
FILING DATE: 09-APR-1998
ATTORNEY/AGENT INFORMATION:
NAME: Weikiejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/046001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 408 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-057-951-4

Query Match 3.0%; Score 9; DB 10; Length 408;
Best Local Similarity 100.0%; Pred. No. 5.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 152 PCPPTGFSFA 160
DB 28 PCPPTGFSFA 36

Search completed: June 5, 2003, 14:15:40
Job time : 22 secs